

IN THE CLAIMS

Claims 1 to 31: Canceled

32. (Currently Amended) A ventilated seat, comprising:
an insert comprising:
a flow control layer;
a spacer;
a fluid barrier; and
a thermoelectric device associated with a blower;
at least one conduit with at least one flow hole, wherein the conduit extends
across at least a portion of a seat portion of the insert; and
wherein ambient air drawn through the flow control layer and temperature
conditioned air drawn through the conduit are mixed within the insert.
33. (Previously Presented) The seat of claim 32, wherein the at least one
conduit is located within a sealed edge of the insert.
34. (Previously Presented) The seat of claim 32, wherein the at least one
conduit is attached to the insert along at least a portion of the length of the conduit.
35. (Original) The seat of claim 32, wherein the at least one conduit is located
underneath the flow control layer relative to the occupant.
36. (Original) The seat of claim 32, wherein the at least one conduit is located
above the flow control layer relative to the occupant.
37. (Previously Presented) The seat of claim 32, wherein the thermoelectric
device is fluidly connected to the spacer via the at least one flow hole of the conduit
and the at least one ventilation hole of the flow control layer.

38. (Previously Presented) The seat of claim 32, wherein the wherein the blower is in fluid communication with the spacer through a port located in the fluid barrier.

39. (Previously Presented) The seat of claim 32, wherein the insert is an edge sealed insert comprising an extension portion wherein the blower is in fluid communication with the spacer through a port in the extension portion of the flow control layer or the fluid barrier.

40. (Canceled)

41. (Canceled)

42. (Previously Presented) The seat of claim 39, further comprising at least one of an additional spacer, a seat cover, at least one attachment component, an adhesive layer, at least one sensor, at least one control unit or combinations thereof.

43. (Original) The seat of claim 42, wherein the insert is attached to a seat cushion.

44. (Original) The seat of claim 43, wherein the insert is attached to the seat cover.

45. (Previously Presented) The seat of claim 32, further comprising at least two blowers.

46. (Previously Presented) The seat of claim 32, wherein the blower and the TED are connected to the insert at an extension of the insert.

Claims 47 to 51: Canceled

52. (Previously Presented) The seat of claim 32 wherein the conduit is located along an edge of the seat portion of the insert.

53. (Previously Presented) The seat of claim 32 wherein the conduit is located along an edge of an extension of the insert.

54. (Previously Presented) The seat of claim 32 wherein the conduit extends into the seat portion of the insert.

55. (Previously Presented) The seat of claim 32 wherein the conduit is held within the insert or formed as part of the insert.

56. (Previously Presented) The seat of claim 32 wherein the conduit is located in the plane of the insert.

57. (Canceled)

58. (Canceled)

59. (Previously Presented) The seat of claim 32 wherein the spacer comprises a polymeric strand material.

60. (Previously Presented) The seat of claim 32 wherein the insert comprises:
the flow control layer;
the fluid barrier; and
the spacer is located between the flow control layer and the fluid barrier;
and wherein the blower is in fluid communication with the spacer;
the thermoelectric device is a source of temperature conditioned air; and
the at least one conduit with the at least one flow hole fluidly connects the thermoelectric device to the spacer;
wherein the blower draws ambient air through the flow control layer and draws temperature conditioned air through the conduit and into the spacer.

61. (Previously Presented) A ventilated seat, comprising:

- a seat cover;
- an insert comprising:
 - a flow control layer including at least one ventilation hole;
 - a fluid barrier;
 - a spacer located between the flow control layer and the fluid barrier;
- and
 - a port in the flow control layer or the fluid barrier;
 - at least one conduit with at least one flow hole, wherein the conduit extends across at least a portion of a seat portion of the insert;
- a seat cushion;
 - a thermoelectric device (TED) as a source of temperature conditioned air; and
 - at least one fan fluidly connected to the spacer at the port wherein the fan draws ambient air through the seat cover into the spacer through the at least one ventilation hole of the flow control layer and wherein the fan draws temperature conditioned air from the TED into the spacer through the at least one flow hole and the at least one ventilation hole.

62. (Previously Presented) The seat of claim 61 wherein the spacer comprises a polymeric strand material.

63. (Previously Presented) The seat of claim 61 further comprising a heater layer.

64. (Previously Presented) The seat of claim 63 wherein the heater layer is an integrated part of the insert.

65. (Previously Presented) The seat of claim 61 wherein the insert is a sealed edge insert.

66. (Previously Presented) The seat of claim 65 wherein the port is located in an extension of the insert.

67. (Previously Presented) The seat of claim 61 wherein the insert is located between the seat cover and the seat cushion.

68. (Previously Presented) The seat of claim 67 further comprising an additional spacer located between the seat cover and the insert.

69. (Previously Presented) The seat of claim 61 wherein the at least one fan both blows air toward the TED and draws air away from the TED.

70. (Previously Presented) A ventilated seat, comprising:
an edge sealed insert located beneath a seat cover and attached to a seat cushion, the insert comprising:
a heater layer;
a flow control layer comprising at least one ventilation hole in a top surface of the insert;
a fluid barrier comprising a port;
a spacer comprising a polymeric strand material located between the flow control layer and the fluid barrier; and
at least one conduit located within the seal edge of the insert with at least one flow hole directed toward the top surface of the insert, wherein the conduit extends along at least one sealed edge of the insert;
a thermoelectric device (TED) as a source of temperature conditioned air; and
at least a first fan fluidly connected to the insert at the port wherein the first fan draws ambient air through the seat cover into the spacer through the at least one ventilation hole of the flow control layer; and
at least a second fan fluidly connected to the TED, the second fan blows temperature conditioned air out of the at least one flow hole and through the seat cover.

71. (Previously Presented) The seat of claim 71 wherein the conduit further comprises a spacer comprising a polymeric strand material.

72. (New) The seat of claim 32 wherein the thermoelectric device is in fluid communication with the blower and wherein the blower draws ambient air through the flow control layer and draws temperature condition air from the thermoelectric device through the conduit.
73. (New) The seat of claim 72 wherein the at least one conduit is located within a sealed edge of the insert.
74. (New) The seat of claim 72 wherein the at least one conduit is attached to the insert along at least a portion of the length of the conduit.
75. (New) The seat of claim 72 wherein the at least one conduit is located above the flow control layer relative to the occupant.
76. (New) The seat of claim 73 wherein the at least one conduit is located underneath the flow control layer relative to the occupant.
77. (New) The seat of claim 76 wherein the thermoelectric device is fluidly connected to the spacer via the at least one flow hole of the conduit and the at least one ventilation hole of the flow control layer.
78. (New) The seat of claim 77 wherein the wherein the blower is in fluid communication with the spacer through a port located in the fluid barrier.
79. (New) The seat of claim 78 wherein the insert is an edge sealed insert comprising an extension portion wherein the blower is in fluid communication with the spacer through a port in the extension portion of the flow control layer or the fluid barrier.